

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
13 May 2004 (13.05.2004)

PCT

(10) International Publication Number
WO 2004/039821 A1

- (51) International Patent Classification⁷: C07H 17/00, A61K 31/70, A61P 29/00 (74) Agents: MARCHI, Massimo et al.; Marchi & Partners S.r.l., Via Pirelli, 19, I-20124 Milano (IT).
- (21) International Application Number: PCT/EP2003/012071 (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 28 October 2003 (28.10.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: MI2002A002292 29 October 2002 (29.10.2002) IT (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (71) Applicant (*for all designated States except US*): ZAMBON GROUP S.P.A. [IT/IT]; Via della Chimica, 9, I-36100 Vicenza (IT).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): NAPOLETANO, Mauro [IT/IT]; Via Venini, 37, I-20127 Milano (IT). MEREU, Andrea [IT/IT]; Via Fratelli Recchi, 9, I-22100 Como (IT). MORIGGI, Ermanno [IT/IT]; Largo Crivelli, 5, I-21052 Busto Arsizio (IT). ORNAGHI, Fernando [IT/IT]; Via Menaggio, 80/E, I-22010 Carlazzo (IT). MORAZZONI, Gabriele [IT/IT]; Via Labriola, 12, I-20020 Lainate (IT). PELLACINI, Franco [IT/IT]; Via G. Balla, 14, I-20151 Milano (IT).
- Published:**
— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: 9A-AZALIDES WITH ANTI-INFLAMMATORY ACTIVITY

(57) **Abstract:** Macrolides with anti-inflammatory activity are described, and more particularly, 9a-azalides without cladinose in position 3 with anti-inflammatory activity, their pharmaceutically acceptable salts and pharmaceutical compositions that contain them as active principle.

WO 2004/039821 A1